

920214.00005 - SEQ ID NOS3.ST25.txt
SEQUENCE LISTING

<110> Polt, Robin
Bilsky, Edward

<120> GLYCOSYLATED ENKEPHALIN AGENTS

<130> 920214.00005

<140> 10/540,443
<141> 2005-06-22

<150> PCT/US2004/005843
<151> 2004-02-24

<150> US 60/449,989
<151> 2003-02-25

<160> 16

<170> PatentIn version 3.3

<210> 1
<211> 4
<212> PRT
<213> Artificial

<220>
<223> Classic motif for opioid receptor binding

<400> 1
Tyr Gly Gly Phe
1

<210> 2
<211> 5
<212> PRT
<213> Artificial

<220>
<223> Met-Enkephalin

<400> 2
Tyr Gly Gly Phe Met
1 5

<210> 3
<211> 5
<212> PRT
<213> Artificial

<220>

<223> Leu-Enkephalin

<400> 3

Tyr Gly Gly Phe Leu
1 5

<210> 4

<211> 17

<212> PRT

<213> Artificial

<220>

<223> Dynorphin A

<400> 4

Tyr Gly Gly Phe Leu Arg Arg Ile Arg Pro Lys Leu Lys Trp Asn Asn
1 5 10 15

Gln

<210> 5

<211> 13

<212> PRT

<213> Artificial

<220>

<223> Dynorphin B

<400> 5

Tyr Gly Gly Phe Leu Arg Arg Gln Phe Lys Val Val Thr
1 5 10

<210> 6

<211> 8

<212> PRT

<213> Artificial

<220>

<223> Alpha-Neoeendorphin

<400> 6

Tyr Gly Gly Phe Leu Arg Lys Tyr
1 5

<210> 7
 <211> 9
 <212> PRT
 <213> Artificial

<220>
 <223> Beta-Neoendorphin

<400> 7

Tyr Gly Gly Phe Leu Arg Lys Tyr Pro
 1 5

<210> 8
 <211> 31
 <212> PRT
 <213> Artificial

<220>
 <223> Beta h-Endorphin

<400> 8

Tyr Gly Gly Phe Met Thr Ser Glu Lys Ser Gln Thr Pro Leu Val Thr
 1 5 10 15

Leu Phe Lys Asn Ala Ile Ile Lys Asn Ala Tyr Lys Lys Gly Glu
 20 25 30

<210> 9
 <211> 25
 <212> PRT
 <213> Artificial

<220>
 <223> Peptide E

<400> 9

Tyr Gly Gly Phe Met Arg Arg Val Gly Arg Pro Glu Trp Trp Met Asp
 1 5 10 15

Tyr Gln Lys Arg Tyr Gly Gly Phe Leu
 20 25

<210> 10
 <211> 13
 <212> PRT
 <213> Artificial

<220>

<223> Peptide F

<400> 10

Gly Gly Glu Val Leu Gly Lys Arg Tyr Gly Gly Phe Met
 1 5 10

<210> 11

<211> 17

<212> PRT

<213> Artificial

<220>

<223> Nociceptin

<400> 11

Phe Gly Gly Phe Leu Arg Arg Ile Arg Pro Lys Leu Lys Trp Asn Asn
 1 5 10 15

Gln

<210> 12

<211> 4

<212> PRT

<213> Artificial

<220>

<223> Morphiceptin

<220>

<221> MOD_RES

<222> (4)..(4)

<223> contains CONH2

<400> 12

Tyr Pro Phe Pro
 1

<210> 13

<211> 7

<212> PRT

<213> Artificial

<220>

<223> Beta-Casomorphin

<400> 13

Tyr Pro Phe Pro Gly Pro Ile
 1 5

<210> 14

<211> 4

<212> PRT

<213> Artificial

<220>

<223> Endomorphin-1

<220>

<221> MOD_RES

<222> (4)..(4)

<223> contains CONH2

<400> 14

Tyr Pro Trp Phe
 1

<210> 15

<211> 4

<212> PRT

<213> Artificial

<220>

<223> Endomorphin-2

<220>

<221> MOD_RES

<222> (4)..(4)

<223> contains CONH2

<400> 15

Tyr Pro Phe Phe
 1

<210> 16

<211> 6

<212> PRT

<213> Artificial

<220>

<223> Rubiscolin-6

<400> 16

920214.00005 - SEQ ID NOS3.ST25.txt

Tyr	Pro	Leu	Asp	Leu	Phe
1				5	